

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR02/01634

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 G01N 33/66

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G01N 33/66, G01N 27/26, A61B 5/00, A61B 1/30, A61B 5/05, A61B 5/04, A61B 5/07, A61N 1/30, A61N 1/04

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patent and Applications for Inventions since 1975

Korean Utility Models and Applications for Utility Models since 1975

Japanese Utility Models and Applications for Utility Models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKIPASS, USPTO, WPI, INSPECT "glucose level, extraction, patch, monitor, electrode, iontophoretic, ink, platinum, signal, carbon, cyclic voltammetry"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| X | US 6393318 B1 (Cygnus, Inc.), 21 May 2002 -see the entire document | 1-5, 11, 12 |
| Y | US 6393318 B1 (Cygnus, Inc.), 21 May 2002 -see the entire document | 7-9 |
| Y | US 5954685 A (Cygnus, Inc.), 21 Sep 1999 -see the entire document | 1-5, 7-9, 11, 12 |
| A | US 5730714 A (The Regents of the University of California), 24 Mar 1998 -see the entire document | 1-5, |
| A | US 5380271 A (ALZA Corp.), 10 Jan 1995 -see claims 1-5 | 13 |
| A | US 6338790 B1 (TheraSense, Inc.), 15 Jan 2002 -see claims 1-19 | 1-5, 14 |
| A | JP 8155041 A2 (Advance Co. Ltd.), 18 Jun 1996 -see the entire document | 1 |

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

26 MAY 2003 (26.05.2003)

Date of mailing of the international search report

27 MAY 2003 (27.05.2003)

Name and mailing address of the ISA/KR



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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR02/01634

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|----------------------------|---------------------|
| US 6393318 | 21 May 2002 | none | |
| US 5954685 | 21 Sep 1999 | none | |
| US 5730714 | 24 Mar 1998 | none | |
| US 5380271 | 10 Jan 1995 | none | |
| US 6338790 | 15 Jan 2002 | none | |
| JP 8155041 | 18 Jun 1996 | WO 9617649 | 13 Jun 1996 |
| | | US 5766144 | 16 Jun 1998 |
| | | EP 742730 | 20 Nov 1996 |
| | | CA 2164453 | 06 Jun 1996 |
| | | CN 1144490 | 05 Mar 1997 |